

**HIGH-PERFORMANCE
FAST CAMERAS**

EXOSENS
REVEAL THE INVISIBLE

FAST M2k UD



*ULTRA HIGH-SPEED
MWIR SCIENTIFIC THERMAL IMAGING
POWERED BY TELOPS*

KEY FEATURES



ULTRA-HIGH FRAME RATE



MWIR SPECTRAL BAND



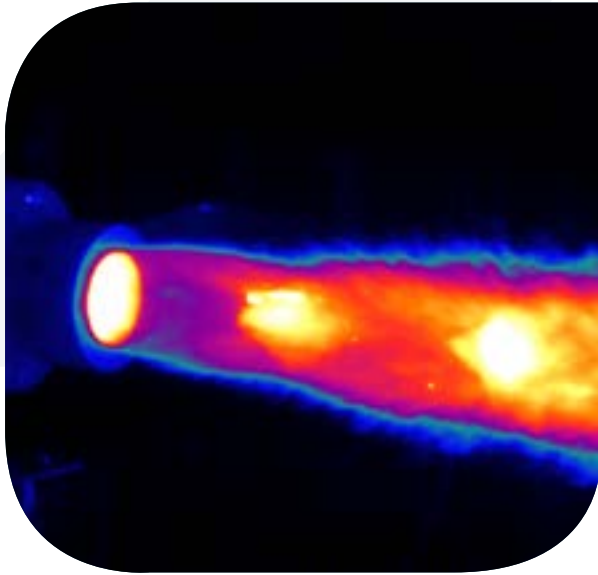
LARGE FORMAT IMAGERY



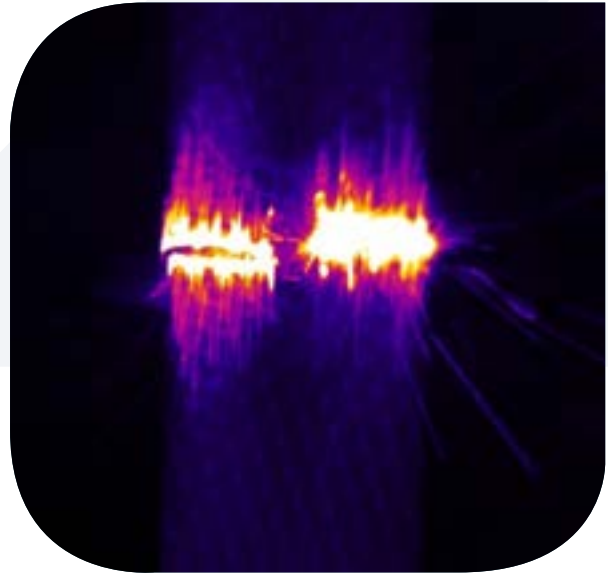
**TELOPS REAL-TIME
TEMPERATURE CALIBRATION (RTTC)**

The FAST-IR series include the fastest scientific infrared cameras on the market. The FAST M2k UD represents the pinnacle of large format frame rate capability, featuring a 640 x 512 pixel detector capable of radiometric image acquisition at up to 1500 Hz in the full frame and up to 42,000 Hz in subwindow mode. Optimized for high-speed measurements of even the most challenging thermal targets, the FAST M2k UD generates large-format radiometric imagery with unmatched temporal resolution.

FAST M2k UD



Pulsed Detonation Rocket Engine



Composite Fiber Tensile Strength Testing

SPECIFICATIONS

Detector Type	InSb
Detector Format	640 x 512
Detector Pitch	25 μ m
Spectral Range	1.5 – 5.4 μ m (3.0 – 5.4 μ m) optional
Maximum Frame Rate (640 x 512)	1500 Hz
Maximum Frame Rate (320 x 256)	3200 Hz
Maximum Frame Rate (64 x 8)	41 500 Hz
Minimum Exposure Time	0.5 μ s
Typical NETD	$\leq$ 23 mK
Lens Mount	Threaded
Environmental Resistance	IP 67
Operational/Storage Limits	-20 to +50 °C (operation) -35 to +60 °C (storage)

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